

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>Supplemental Information Disclosure Statement by Applicant</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. 99-3	SERIAL NO. 09/255,371
	APPLICANT Yumin Liu	
	FILING DATE 2/22/99	GROUP 1764

11040 U.S. PTO  
 09/8/5914  
 03/22/01

## U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
TN	3,678,124	7/18/72	Stepanov et al.	260	680 E	
TN	4,115,441	9/19/78	Shaw et al.	562	534	
TN	4,283,307	8/11/81	Barone et al.	252	432	
TN	4,709,071	11/24/87	Sasaki et al.	558	322	
TN	5,094,990	3/10/92	Sasaki et al.	502	214	
TN	5,132,269	7/21/92	Sasaki et al.	502	205	

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES	NO
TN	EP 661 254 A2/A3	7/5/95	EP	C07C	5/48		X
TN	WO 99/42404	8/26/99	PCT	C01G	51/00		X

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	<i>Zamm</i>		Date Considered 4/8/03

**Examiner:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 95

SERIAL NO. To Be Assigned

Information Disclosure  
Statement by Applicant

(Use several sheets if necessary)

APPLICANT Yumin Liu

FILING DATE Even Date  
Herewith

GROUP To Be Assigned

1040 U.S. PTO  
09/015914

03/22/01

## U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
TN	3,832,205	08/27/74	Lowery	106	288	
I	4,176,140	11/27/79	Bertus et al.	585	629	
	4,250,346	02/10/81	Young et al.	585	658	
	4,296,607	10/27/81	Lawless	62	6	
	4,788,371	11/29/88	Imai et al.	585	443	
	4,940,826	07/10/90	Font Freide et al.	585	600	
	4,996,387	02/26/91	Gerhold et al.	585	654	
	5,219,816	06/15/93	Zhou et al.	502	223	
	5,376,613	12/27/94	Dellinger et al.	502	304	
	5,439,859	08/08/95	Durante et al.	502	66	
	5,593,935	01/14/97	Golunski et al.	502	339	
	5,723,707	03/03/98	Heyse et al.	585	444	
	5,733,518	03/31/98	Durante et al.	423	248	
	5,759,946	06/02/98	Hoang et al.	502	303	
	5,780,700	07/14/98	Hagemeyer et al.	585	617	

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES	Translation NO
TN	0 544 372 A1	11/21/92	EP				
TN	0 573 713 A1	06/12/92	EP				
TN	WO 96/33149	10/24/96	PCT				

## OTHER DOCUMENTS

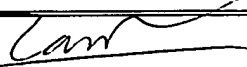
(Including Author, Title, Date, Pertinent Pages, Etc.)

TN		Zhang, Mingqian, et al., "Calcium-nickel-lithium oxide: A high selectivity catalyst for the oxidative dehydrogenation of ethane to ethylene," <i>J. Chem. Soc., Chem. Commun.</i> , pp. 1480-1481, 1993.
TN		Ducarme, V., et al., "Low temperature oxidative dehydrogenation of ethane over Ni-based catalysts," <i>Catalyst Letters</i> 23, pp. 97-101, 1994.
TN		López, R. Juárez, et al., "Oxidative dehydrogenation of ethane on supported vanadium-containing oxides," <i>Applied Catalysis A: General</i> 124, pp. 281-296, 1995.
TN		Ducarme, V., et al., "Low temperature oxidative dehydrogenation of ethane over new catalysts based on group VIII metals," presented before the Division of Petroleum Chemistry, Inc., 211th National Meeting, American Chemistry Society, New Orleans, Louisiana, March 24-29, 1996.
TN		Ji, Lang, et al., "Effect of group VIII elements on the behavior of Li/CaO catalyst in the oxidative dehydrogenation of ethane," <i>React. Kinet. Catal. Lett.</i> , Vol. 62, No. 1, 121-128, 1997.

Lam

4/8/03

TN		Schuurman, J. et al., "Low temperature oxidative dehydrogenation of ethane over catalysts based on group VIII metals," <i>Applied Catalysis: General</i> 163, pp. 227-235, 1998.
TN		Ducarme, V., et al., "Oxidative dehydrogenation of ethane of low temperature over nickel catalysts: Influence of morphology and chemical state of the solid during reaction," in <i>Natural Gas Conversion IV. Studies in Surface Science and Catalysis, Vol. 107</i> , (Eds. M. de Pontes, R.L. Espinoza, J.H. Scholz and M.S. Scurrell), pp. 361-366, 1997.
TN		Barrault, J., et al., "Selective oxidation of propane into oxygenated compounds over promoted nickel-molybdenum catalysts," in <i>3rd World Congress on Oxidation Catalysis</i> , (Eds. R.K. Grasselli, S.T. Oyama, A.M. Gaffney and J.E. Lyons) pp. 375-382, 1997.
TN		Jalowiecki-Duhamel, L., et al., "Oxidative dehydrogenation of propane on $CeNi_xO_y$ ( $0 \leq x \leq 1$ ) mixed oxides hydrogen acceptors," in <i>3rd World Congress on Oxidation Catalysis</i> , (Eds. R. K. Grasselli, S.T. Oyama, A.M Gaffney and J.E. Lyons), pp. 383-392, 1997.

Examiner		Date Considered	4/8/03
----------	---	-----------------	--------

**Examiner:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.